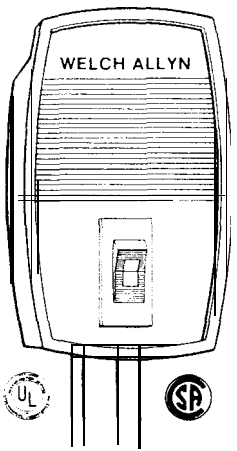
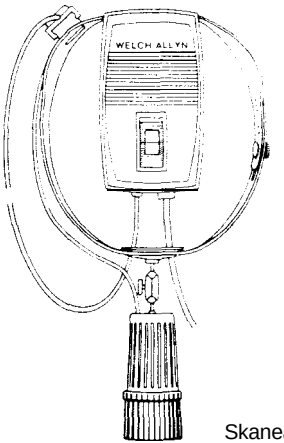
Diagnostic Menu

NO. 49003
HALOGEN HEADLIGHT
with Wall Mounted Power Supply

Thank you for purchasing this modern, convenient halogen headlight. This manual provides specifications and instructions for use and maintenance, enabling you to fully enjoy the benefits offered by this headlight over a long period of time.

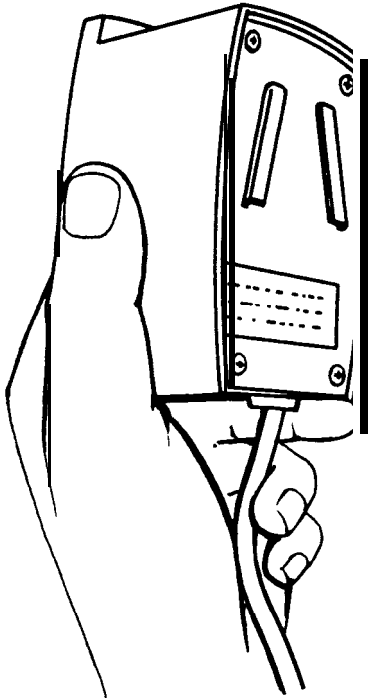


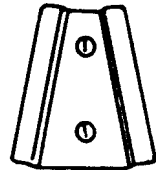


Welch Allyn

State Street Road
Skaneateles Falls, NY 13153-0220 U.S.A.

MOUNTING





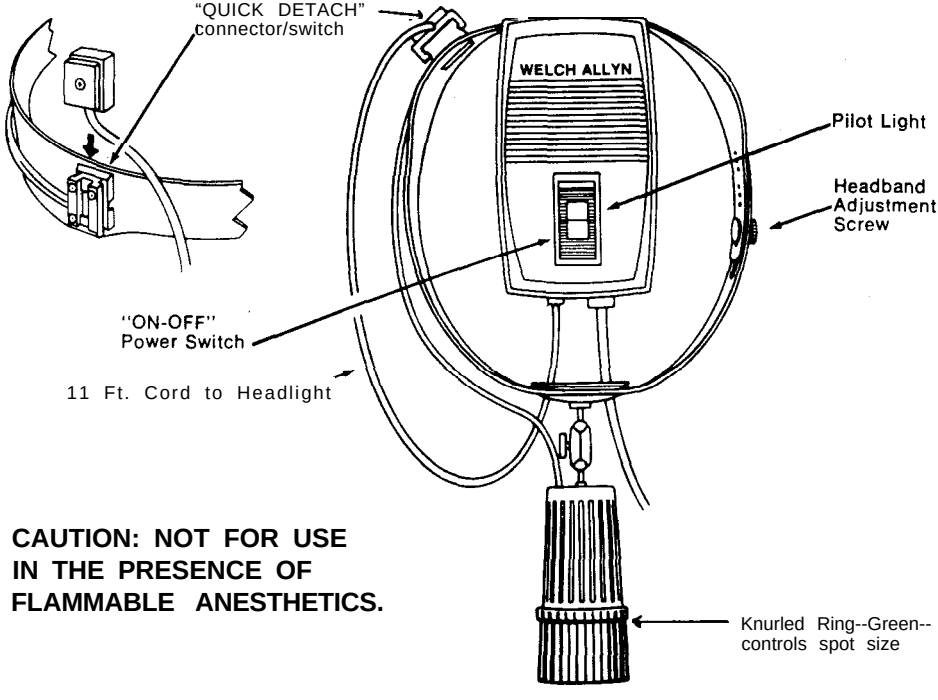
Fasten mounting plate to wall or other surface with screws supplied. The two holes in the mounting plate should be vertical and flush with the wall. The wide end of the plate should be down.

Slide power source into mounting plate from above, being sure tabs on unit engage tabs on mounting plate. Plug into any 120 V., 50-60 Hz AC* *grounded* outlet and unit is ready to use.

- *220-250 V., 50-60 Hz also available.

CAUTION: NOT FOR USE IN THE PRESENCE OF FLAMMABLE ANESTHETICS.

OPERATION



CAUTION: NOT FOR USE IN THE PRESENCE OF FLAMMABLE ANESTHETICS.

OPERATING INSTRUCTIONS

The headlight is attached to the power source cord by a “Quick Detach” connector/switch provided on the headband. This connector will accept only the 490 Series Headlights.

Correct headband size is obtained by use of headband adjustment screw.

For convenience, two on-off switches are furnished. The main power switch is on the power source and is provided with a pilot light. This may be left on when the headlight is not in use. A secondary switch is incorporated on the “Quick Detach” connector at the back of the headband. To operate, simply push connector all the way down for “on,” back up to the first click for “off.” This switch operates headlight only. Pull all the way off to detach from headband.

Top of power source has a flange to provide convenience for hanging headlight when not in use.

The diameter of the light spot can be regulated from 3/4" to 6 1/2" at distance of 14” by means of a green knurled ring on the lamp housing. This ring controls an iris diaphragm. The intensity of light is uniform at 400 foot candles minimum over entire spot area up to 3” diameter.

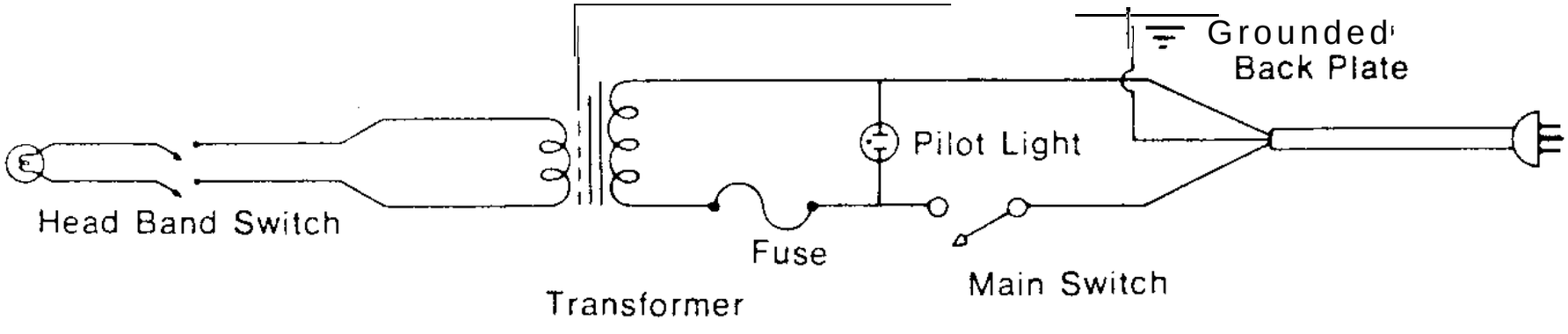
The halogen (regenerative cycle) lamp in this unit will provide uniform intensity of illumination for the life of the lamp-no gradual dimming. A sophisticated optical system eliminates filament image, shadows or streaks. The natural tissue colors are preserved.

SPECIFICATIONS

Model No. 49003

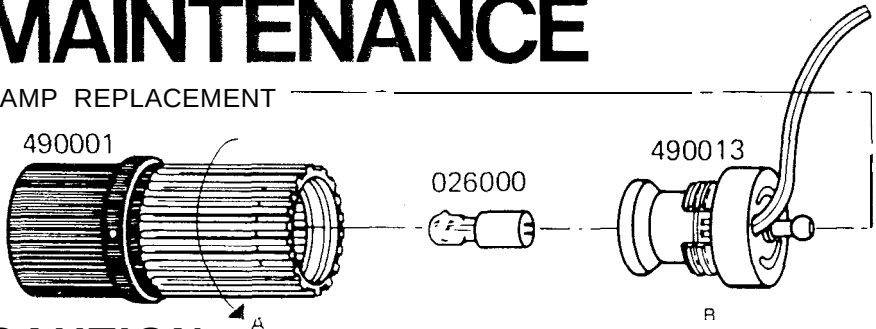
Input	120 V., 50-60 Hz, .19 amp. (220-250 V., 50-60 Hz also available)
Output . . .	7.2 V. ±3% at transformer-6.3 V. AC, 2.1 amp. at lamp
Lamp	Welch Allyn No. 02600 (Average life 100 hrs.)
Fuse . . .	.3 amp. Slo-Blow--*Factory Replacement Required*
Power Cord	No. 18 AWG, 3 wire grounded cord, 8 feet long
Headlight Cord .	11 feet long-will accept only No. 490 Series W.A. Headlights
Weight (approximate).	Headlight-6 oz. Power Source w/Mounting Plate-l lb. 10 oz.
Dimensions (Power Supply)	H. = 4.39”
	D. = 2.30”
	W. = 2.34”

Circuit Diagram



MAINTENANCE

LAMP REPLACEMENT



CAUTION:

ALLOW LAMP TO COOL BEFORE CHANGING.

Unscrew serrated section "A" counterclockwise from section "B". Depress lamp, turn counterclockwise, and pull straight out. Replace with WA. No 02600 Lamp. Replace by aligning lamp key wiih slot, depress fully, and turn clockwise until locked.

IMPORTANT

For best performance of halogen lamps, it is necessary to remove any grease or fingerprints from the glass with a clean cloth moistened with alcohol.
Failure to follow cleaning procedure will result in permanent stains on the glass and reduction of light output.
Fuse-Factory Replacement Necessary.
Ground Continuity Check-The resistance measured between the back plate of the power source and the ground pin of the plug should be virtually zero.
For repairs, send complete unit (headlight and power source) to:

WELCH ALLYN, INC., Technical Services, 4341 State St. Rd. Skaneateles Falls, NY 13153-0220

Part No. 490081-2 Printed in U.S.A.